



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



Publication number: **0 367 509 A3**

12

## EUROPEAN PATENT APPLICATION

21 Application number: **89311096.5**

51 Int. Cl.<sup>5</sup>: **A61K 31/425**, A61K 9/20,  
A61K 9/48

22 Date of filing: **27.10.89**

30 Priority: **01.11.88 GB 8825541**

43 Date of publication of application:  
**09.05.90 Bulletin 90/19**

64 Designated Contracting States:  
**DE NL SE**

68 Date of deferred publication of the search report:  
**15.05.91 Bulletin 91/20**

71 Applicant: **FISONS plc**  
**Fison House Princes Street**  
**Ipswich Suffolk IP1 1QH(GB)**

72 Inventor: **Tapley, Ian Robert**  
**16 Highfields Close**  
**Shepshed Leicestershire(GB)**

74 Representative: **Wright, Robert Gordon McRae**  
**FISONS plc 12 Derby Road**  
**Loughborough Leicestershire LE11 0BB(GB)**

### 64 Formulations.

57 There are described new pharmaceutical formulations and methods for their preparation.

Formulations comprising 5-t-butyl-3-[N-(1-(S)-ethoxycarbonyl-3-phenylpropyl)-L-alanyl]-2,3-dihydro-1,3,4-thiadiazole-2-(S)-carboxylic acid, and pharmaceutically acceptable salts, esters, esters and amides thereof, as active ingredient in admixture with a pharmaceutically acceptable adjuvant, diluent or carrier in a form suitable for compression into a tablet or a capsule suitable for oral administration are described.

There is also provided a unit dose formulation comprising from 1 $\mu$ g to 1mg of the aforementioned active ingredient

Also described are processes for the manufacture of a pharmaceutical formulations.

EP 0 367 509 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X, D	EP-A-217519 (FISONS PLC) * the whole document * ---	1-2, 6-10	A61K31/425 A61K9/20 A61K9/48
A	US-A-4178374 (CHARLES S. SWEET) * the whole document * ---	1-10	
A	EP-A-105996 (MERCK & CO. INC.) * the whole document * ---	1-10	
A	DE-A-2838387 (LILLY INDUSTRIES LTD.) * the whole document * -----	1-10	
			<b>TECHNICAL FIELDS SEARCHED (Int. Cl.5)</b>
			A61K C07D C12N C07K
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 08 MARCH 1991	Examiner SIATOU, E.
<b>CATEGORY OF CITED DOCUMENTS</b>		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons ----- & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			